Performance Data Sheet

AWF5528EXG

General Information

Model	AWF5528EXG	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	460V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	7050	6100					
	Watts	1130	1060					
	Amps	2.23	2.18					
	Lb/h	90.6	81.9					
-10	Btu/h	8850	7770	6720				
	Watts	1260	1220	1170				
	Amps	2.34	2.30	2.27				
	Lb/h	113	104	93.6				
-5	Btu/h	10800	9620	8420	7270			
	Watts	1380	1360	1330	1290			
	Amps	2.43	2.42	2.40	2.38			
	Lb/h	138	127	116	105			
0	Btu/h	13000	11600	10300	9010	7750		
	Watts	1470	1480	1480	1470	1430		
	Amps	2.51	2.52	2.52	2.53	2.52		
	Lb/h	164	153	141	129	116		
5	Btu/h	15300	13900	12400	10900	9510		
	Watts	1550	1580	1610	1620	1610		
	Amps	2.59	2.61	2.64	2.66	2.68		
	Lb/h	193	181	168	155	141		
10	Btu/h	17900	16300	14600	13000	11500	9940	8480
	Watts	1610	1670	1720	1750	1770	1770	1750
	Amps	2.65	2.69	2.74	2.78	2.82	2.85	2.87
	Lb/h	223	211	198	184	169	154	138
15	Btu/h	20600	18900	17100	15300	13600	11900	10300
	Watts	1660	1740	1810	1870	1920	1940	1940
	Amps	2.70	2.76	2.83	2.90	2.96	3.01	3.05
	Lb/h	256	243	229	214	199	183	166
20	Btu/h	23600	21700	19700	17800	15900	14100	12300
	Watts	1700	1800	1890	1980	2050	2100	2130
	Amps	2.74	2.83	2.91	3.00	3.09	3.17	3.23
	Lb/h	291	277	263	248	231	214	197

25	Btu/h	26700	24700	22600	20500	18500	16400	14500
	Watts	1730	1850	1960	2070	2160	2240	2290
	Amps	2.78	2.88	2.99	3.10	3.21	3.31	3.40
	Lb/h	328	314	299	283	266	249	230
30	Btu/h	30100	27900	25700	23400	21200	19000	16800
	Watts	1750	1890	2020	2150	2270	2370	2440
	Amps	2.80	2.92	3.05	3.19	3.32	3.45	3.56
	Lb/h	367	353	337	321	304	285	266
35	Btu/h	33700	31300	29000	26600	24200	21800	19400
	Watts	1760	1920	2070	2220	2360	2480	2580
	Amps	2.81	2.96	3.11	3.27	3.42	3.57	3.71
	Lb/h	408	394	378	361	344	325	305
40	Btu/h	37500	35000	32500	29900	27300	24800	22200
	Watts	1770	1940	2120	2290	2450	2590	2720
	Amps	2.82	2.98	3.16	3.34	3.51	3.69	3.86
	Lb/h	452	437	421	404	386	367	346
45	Btu/h	41600	38900	36200	33500	30700	28000	25300
	Watts	1770	1960	2160	2340	2520	2690	2840
	Amps	2.81	3.00	3.19	3.40	3.60	3.80	3.99
	Lb/h	498	483	467	450	431	411	390
50	Btu/h	45800	43000	40200	37300	34400	31400	28500
	Watts	1770	1980	2190	2400	2600	2780	2950
	Amps	2.80	3.01	3.23	3.45	3.68	3.90	4.12
	Lb/h	546	531	515	498	479	459	437
55	Btu/h	50400	47400	44400	41300	38200	35100	32000
	Watts	1770	1990	2220	2440	2660	2870	3060
	Amps	2.78	3.01	3.25	3.50	3.75	4.00	4.24
	Lb/h	597	582	566	549	530	509	487

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.245686E+04	1.708123E+03	3.109536E+00	2.267478E+02
C2	6.190330E+02	-1.380474E+01	-8.213884E-03	5.989929E+00
C3	-8.520952E+01	-1.240705E+01	-2.000874E-02	-4.067298E-01
C4	4.109269E+00	-2.013652E-01	-2.354458E-04	2.741432E-02
C5	-1.569806E+00	3.081803E-01	2.155996E-04	1.150676E-03
C6	-6.208055E-01	1.849622E-01	2.196123E-04	-5.390359E-03
C7	7.119431E-03	1.978236E-03	3.175251E-07	5.836025E-05
C8	-4.226453E-03	-1.550990E-03	2.981845E-07	1.534388E-04
C9	-6.689560E-03	1.006639E-03	1.019839E-06	-9.075947E-05
C10	2.580273E-03	-8.386266E-04	-7.818490E-07	9.155064E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AWF5528EXG

General Information

Model	AWF5528EXG	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	380V 3~ 50HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-15	Btu/h	5820	5030					
	Watts	925	870					
	Amps	2.21	2.15					
	Lb/h	74.8	67.5					
-10	Btu/h	7300	6410	5540				
	Watts	1030	999	957				
	Amps	2.31	2.28	2.24				
	Lb/h	93.5	85.5	77.2				
-5	Btu/h	8930	7930	6950	6000			
	Watts	1120	1110	1090	1060			
	Amps	2.41	2.39	2.37	2.36			
	Lb/h	114	105	96.0	86.6			
0	Btu/h	10700	9600	8500	7430	6390		
	Watts	1200	1210	1210	1200	1170		
	Amps	2.49	2.49	2.50	2.50	2.49		
	Lb/h	136	126	117	106	95.8		
5	Btu/h	12700	11400	10200	9010	7850		
	Watts	1270	1290	1310	1320	1320		
	Amps	2.56	2.58	2.61	2.63	2.65		
	Lb/h	159	149	139	128	117		
10	Btu/h	14700	13400	12100	10800	9460	8200	7000
	Watts	1320	1360	1400	1430	1450	1450	1430
	Amps	2.62	2.66	2.71	2.75	2.79	2.82	2.84
	Lb/h	184	174	163	152	139	127	114
15	Btu/h	17000	15600	14100	12600	11200	9830	8480
	Watts	1360	1420	1480	1530	1570	1590	1590
	Amps	2.67	2.73	2.80	2.87	2.93	2.98	3.02
	Lb/h	211	200	189	177	164	151	137
20	Btu/h	19400	17900	16300	14700	13100	11600	10100
	Watts	1390	1470	1550	1620	1670	1720	1740
	Amps	2.71	2.80	2.88	2.97	3.06	3.13	3.20
	Lb/h	240	229	217	204	191	177	162

25	Btu/h	22000	20400	18600	16900	15200	13600	11900
	Watts	1410	1510	1610	1690	1770	1830	1870
	Amps	2.75	2.85	2.96	3.07	3.17	3.28	3.36
	Lb/h	270	259	247	233	220	205	190
30	Btu/h	24800	23000	21200	19300	17500	15700	13900
	Watts	1430	1540	1650	1760	1860	1940	2000
	Amps	2.77	2.89	3.02	3.15	3.28	3.41	3.52
	Lb/h	303	291	278	265	250	235	219
35	Btu/h	27800	25900	23900	21900	19900	18000	16000
	Watts	1440	1570	1700	1820	1930	2030	2110
	Amps	2.78	2.93	3.08	3.23	3.38	3.53	3.67
	Lb/h	337	325	312	298	283	268	251
40	Btu/h	30900	28900	26800	24700	22600	20400	18400
	Watts	1450	1590	1730	1870	2000	2120	2220
	Amps	2.79	2.95	3.12	3.30	3.48	3.65	3.82
	Lb/h	373	361	348	334	318	302	286
45	Btu/h	34300	32100	29900	27600	25400	23100	20900
	Watts	1450	1600	1760	1920	2060	2200	2320
	Amps	2.79	2.97	3.16	3.36	3.56	3.76	3.95
	Lb/h	411	399	385	371	356	339	322
50	Btu/h	37800	35500	33100	30800	28300	25900	23500
	Watts	1450	1620	1790	1960	2120	2280	2410
	Amps	2.77	2.98	3.19	3.41	3.64	3.86	4.08
	Lb/h	450	438	425	411	395	379	361
55	Btu/h	41600	39100	36600	34100	31500	29000	26400
	Watts	1440	1630	1810	2000	2180	2350	2500
	Amps	2.75	2.98	3.21	3.46	3.71	3.96	4.20
	Lb/h	492	480	467	453	437	420	402

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.852691E+04	1.396978E+03	3.076804E+00	1.870668E+02
C2	5.107023E+02	-1.129012E+01	-8.127422E-03	4.941688E+00
C3	-7.029786E+01	-1.014703E+01	-1.979812E-02	-3.355518E-01
C4	3.390147E+00	-1.646853E-01	-2.329674E-04	2.261679E-02
C5	-1.295090E+00	2.520434E-01	2.133302E-04	9.493070E-04
C6	-5.121645E-01	1.512702E-01	2.173006E-04	-4.447043E-03
C7	5.873530E-03	1.617888E-03	3.141828E-07	4.814717E-05
C8	-3.486824E-03	-1.268468E-03	2.950457E-07	1.265869E-04
C9	-5.518887E-03	8.232739E-04	1.009103E-06	-7.487651E-05
C10	2.128725E-03	-6.858656E-04	-7.736190E-07	7.552922E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature